

S/193/61/000/002/007/009
A005/A004

AUTHOR: Rabinovich, M.Ya.

TITLE: The 5KWC (5KShS) Jig Grinding Machine

PERIODICAL: Byul. tekhn.-ekon. inform., 1961, No. 2, pp. 30 - 33

TEXT: The Special Design Office of the Leningrad Sovnarkhoz has developed and successfully tested the 5KWC (5KShS) Jig grinding machine which is intended for precision finishing of holes of any shape in steel and hard-alloy components, with exact maintenance of the coordinates of the relative position and the geometric parameters of the holes, without master forms and magnified contour pattern of the hole shape. The machine can also be used for grinding of external (open) shaped profiles of components, particularly mechanical engineering and in instrument-making. Hard alloy parts can be grinded by small diamond grinding wheels on a ceramet base 3 mm in diameter and more, which were especially developed and manufactured by the NIImaz. Steel parts are grinded with corundum disks 2-15 mm in diameter. The disk is driven by a changeable high-frequency electric spindle 1 of 36,000 rpm, weight 3 kg, with a 0.45 kw motor, an electrospindle of 72,000 rpm is being accomplished. The spindle is driven by the 48ГЦ3 -1 (48GIZ-1) generator

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with an increased frequency of 1,200 cps made by the "Elektronasos" Plant; an electronic stabilizer was installed to prevent voltage drops in the power supply mains. The rotary faceplate 2 holds the work piece and is mounted on the compound rest located on angle table 3, its indexing accuracy is 2'. The carriages are provided with lead screws, precision rulers, and platforms for the mounting of the gage blocks with indexing stops. The table can be turned manually and mechanically with three rotation speeds, and the angle table can be fixed at any angular position by binding handle 4. Table 5 with the carriage coordinate system rests on roller bearings and is movable in longitudinal direction both manually and mechanically. The mechanical reciprocating motion is effected by a hydraulical system. Carriage 6 travels along prismatic guides, and holds the electrospindle, which can be inclined from the vertical to the horizontal position. The carriage with the electrospindle can be positioned by hand wheel 7, and also carry out reciprocating motions in vertical direction with a stroke of 0-70 mm. Carriage and electrospindle can also be inclined together with the bedways through $\pm 30^\circ$ for the machining conic holes and inclined surfaces. To machine the cutting edges of punching dies with a small inclination of 30-45', the carriage swivel table is provided with a sinusoidal stop placed on an arm 100 mm long, making it possible to set the carriage at small angle by means of the gage blocks. The measuring device

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is mounted on a special elbow parallel to the slide bedways; its carriage is displaceable and has a precision ruler and a platform for precision-gage blocks with indexing stop. The machine has an angular monocular microscope 10 with a magnifying power of 50 diameter and a focus distance of 40 mm. For the grinding of uni-
ons with a transition radius of less than 1.5 mm, the machine has a vibrational device, which can be put in the carriage seat instead of the electrospindle.
Technical machine characteristics:

Area being machined in one setting
Diameter of hole being ground or width of aperture:
 for steel
 for sintered carbides
Inclination for conic holes
Maximum depth of the hole being ground
Guaranteed precision
Guaranteed machining finish
Weight

200 x 200 mm
from 2 to 200 mm
from 3 to 200 mm
up to 30°
70 mm
0.01 mm
up to class 9
about 1,000 kg

The machine is operated by push-buttons.

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The 5KShS (5KShS) Jig Grinding Machine

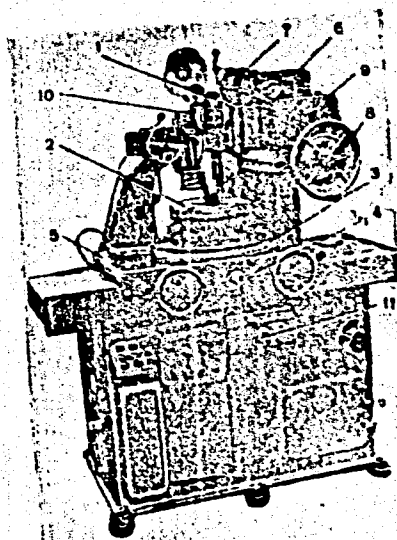
Figure 1:

The 5KShS (5KShS) Jig Grinding Machine

There are 2 figures.

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RABINOVICH, N. Ya.

"Functional Relationships of Generated Levels and Symmetrical Sections of the Cerebral Cortex." Cand Natl Sci, Inst of Higher Nervous Activity, Acad Sci USSR, 17 Sep 54. (N, 7 Sep 54)

SO: Ser 432, 29 Mar 55

PREOBRAZHENSKAYA, N.S.; RABINOVICH, M.Ya.

"Psychiatry, neurology and medical psychology, nos.1-12, 1953."
(Journal published in the German Democratic Republic). Reviewed
by N.S.Preobrazhenskaya, M.IA.Rabinovich. Zhur. nevr. i psikh.
54 no.7:593-598 J1 '54. (MLA 7:7)

(GERMANY, EASTERN--PSYCHIATRY--PERIODICALS)

(PERIODICALS--PSYCHIATRY--GERMANY, EASTERN)

RABINOVICH, M.Ya (g.Voroshilov)

Clinical aspects of reflex contractures and paralysis following occupational and other injuries of the extremities. Zhur. nevr. i psikh. 54 no.3:646-652 Ag '54. (MLRA 7:9)

(EXTREMITIES, wounds and injuries,
causing contractures & paralysis)

(WOUNDS AND INJURIES,
extremities, causing contractures & paralysis)

(PARALYSIS,
extremities, traum.)

(CONTRACTURE,
extremities, traum.)

RABINOVICH M. Ya.

EXCERPTA MEDICA Sec.2 Vol.9/8 Physiology, etc. Aug56

3637. RABINOVICH M. Ya. • Electrophysiological characteristics of functional connections between the neurons of symmetrical parts of the cerebral cortex (Russian text) Z. VYSC.

NERV. DEJATEL. 1955, 5/3 (438-448) Graphs 5

Experiments were performed on rabbits. It was observed that electrocorticograms of 2 symmetrical parts of cerebral cortex can be similar (to full identity) or different in that the increase of amplitude from one hemisphere is related to the decrease of amplitude from the 2nd hemisphere. These relationships were even more pronounced after ACh, adrenaline, camphor, etc. It was also found that when the amplitude of biopotentials from superficial layers of the cortex of one hemisphere was increased and that from the other hemisphere decreased, the relationship of the electrical activity from the deep layers of the cortex of both hemispheres was exactly the reverse.

Wyrwicka - L6d2

RABINOVICH, M.Ya.

One of the mechanisms of formation of the dominating rhythms
in electrical activity of the cerebral cortex. Biul. eksp. biol.
1 med. 40 no.9:6-10 S '55. (MLRA 8:12)

1. Iz elektrofiziologicheskoy laboratorii Instituta mosga
(dir. deystvitel'nyy chlen AMN SSSR prof. S.A.Sarkisov) AMN
SSSR, Moskva.

(ELECTROENCEPHALOGRAPHY,
dominating rhythms of electric activity of cerebral
cortex.)

LUR'YE, R.N.; RABINOVICH, M.Ya.; TROFIMOV, L.G.

Examination of electrical phenomena in the cortical ends of analysors
in dogs during the formation of conditioned defense reflexes. Zhur.
vys.nerv.deiat. 6 no.6:863-871 N-D '56. (MLRA 10:2)

1. Elektrofiziologicheskaya laboratoriya Instituta mozga ANU SSSR.
(REFLEX, CONDITIONED
defense, eeg of motor, auditory & visual analysors in dogs)
(ELECTROENCEPHALOGRAPHY
of motor, auditory & visual analysors in conditioned
defense reflex in dogs)

EXCERPTA IUDICA Soc.2 Vol.11/4 Physio-biochem-pharm Apr58
 Rabinovich, M.Y.

1737. THE DOMINANT FOCUS OF EXCITEMENT IN THE ESTABLISHMENT OF A
 CONDITIONED REFLEX (Russian text) - Rabinovich M. Y. and
 Trofimova L. G. Brain Institute of the USSR Acad. of Med. Scis,
 Moscow - BIULL. EKSPER. BIOL. I MED. 1957, 43/2 (3-8) illus. 3

The electric potentials of motor, auditory, and optical regions of the cortex during production of defensive conditioned reflexes to sound and light were studied. The experiments were carried out on dogs, with live electrodes. Analysis of the EEG data showed that the primary application of a conditional stimulus caused a distinct increase in the amplitude and frequency of the electric potentials in all examined regions of the cortex: motor, auditory, and optical. Regarding the production and intensity of a defensive conditioned reflex, the signal stimulus started to cause changes in the motor zone only, and simultaneously also in the zone to which the conditioned stimulus was applied. In the motor area of the cortex the increase in amplitude fluctuated from 10-20 μ v. to 35 μ v. at the moment of starting the signal stimulus; it increased up to 55 μ v. at the moment of the conditioned reflex reaction. In the auditory area of the cortex the values were 20-40 μ v. at the beginning of the sound action, rising to 60 μ v. in the period of motor-conditioned reflex action. The frequency of the waves increased from 25-35 to 32-40 per sec. If a conditioned reflex was produced with areas not directly participating in temporary connections the activity actually decreased. If the conditioned reflex was greatly reinforced an impulse from any source caused excitation of the same centres. The ability of other points of the cortex to respond to stimulation decreased. Thus, the observed data indicate that with the formation of temporary connections there develops a focus possessing dominating properties.

Semenova - Moscow (S)

RABINOVICH, M.Ya.

All-Union conference on problems in the electrophysiology of the
central nervous system. Zhur.vys.nerv.deiat. 8 no.1:148-153

Ja-F '58.

(MIRA 11:3)

(ELECTROPHYSIOLOGY) (ELECTROENCEPHALOGRAPHY)

RABINOVICH, M.Ya.

Electrical activity of separate layers of motor and auditory cortical
analysors during the production of defense conditioned reflexes.

Zhur.vys.nerv.deiat. 8 no.4:546-559 J1-Ag '58

(MIRA 11:9)

1. Elektrofiziologicheskaya laboratoriya Instituta mozga AN SSSR.

(ELECTROENCEPHALOGRAPHY,

of motor & auditory analyzers, variations in different
layers during prod. of defense conditioned reflexes (Rus))

(REFLEX, CONDITIONED,

defense motor, eff. on EEG of various layers of motors
and auditory analyzers (Rus))

PREC BRAZHENS KAYA, N.S.; RABINOVICH, M.Ya.

Conference on problems in the structure and function of the reticular
formation of the brain within the analyzer system. Zhur. nevr. i psikh
58 no.12:1512-1516 '58. (MIRA 12:1)
(BRAIN)

RABINOVICH, M.Ya.

Electrical activity of individual layers of the cortex of the motor and auditory analysors during the production of internal inhibition [with summary in English]. Zhur.vys.nerv.deiat. 9 no.1:107-115 Ja-F '59. (MIRA 12:3)

1. Electro-physiological Laboratory, Institute of Brain, U.S.S.R. Academy of Medical Sciences, Moscow.

(CEREBRAL CORTEX, physiol.

electrical activity of layers in motor & auditory analysers during prod. of internal inhib. (Rus))

SARKISOV, S.A. (Moskva); RUSINOV, V.S. (Moskva); RABINOVICH, M.Ya.
(Moskva)

"The central nervous system and behavior"; transactions of first
Conference, Josiah Macy Jr. Foundation, New York, 1958. Reviewed
by S.A. Sarkisov, V.S. Rusinov, M.IA. Rabinovich. Fisiol. zhur.
46 no. 5:647-650 My '60. (MIRA 13:12)
(NERVOUS SYSTEM)

RABINOVICH, M.Ya.; GLEZER, I.I.

Method for recording the electrical activity of individual
cortical layers of the cerebral hemispheres in chronic experiments.
Zhur. vys. nerv. deiat 10 no. 4:630-633 J1-Ag '60.

(MIRA 14:2)

1. Institute of the Brain, U.S.S.R. Academy of Medical Sciences,
Moscow.

(CEREBRAL CORTEX)

RABINOVICH, M.Ya.

Electrophysiological analysis of the activity of different layers
of the cerebral cortex during the formation of a conditioned reflex.
Zhur.vys.nerv.deiat. 11 no.3:463-473 My-Je '61. (MIRA 14:7)

1. Elektrofiziological Laboratory, Institute of Brain, U.S.S.R.
Academy of Medical Sciences, Moscow.
(CONDITIONED RESPONSE)

SARKISOV, S.A., prof., red.; ADRIANOV, O.S., red.; KRYZHANOVSKIY,
R.N., red.; FARIN, V.V., red.; POLYAKOV, G.I., red.;
POPOVA, Ye.N., red.; PORTUGALOV, V.V., red.; RABINOVICH,
M.Ya., red.; TROFIMOV, L.G[deceased], red.; ARKHANGEL'SKIY,
Yu.V., red.

[Structure and function of the nervous system; transactions
of a scientific conference, December 10 - 14, 1960] Struktura
i funktsiia nervnoi sistemy; trudy nauchnoi konferentsii
(10-14 dekabria 1960 g.) Moskva, Medgiz, 1962. 358 p.

(MIRA 17:12)

1. Deystvitel'nyy chlen AMN SSSR (for Sarkisov).

RABINOVICH, M. Ye.

PA 65/491103

USSR/Metals - Alloys
Stability, Thermal

Aug 49

"Centrifugal Method of Testing Metals and Alloys
at High Temperatures," M. Ye. Rabinovich, Engr,
Moscow Avn Tech Inst, 6 pp

"Zavod Lab" Vol IV, No 8

Used several methods for testing thermal stability
of Al-, Cu-, MnO, and Zn- alloy systems, in
particular the centrifugal method proposed by
I. I. Kornilov. Studied the alloys in a deformed
and then a stabilized state. First subjected rod
samples to full heat treatment followed by 200-hour
stabilization at 300°C, at which temperature all
tests were conducted.

50D

65/491103

S/137/61/000/010/027/056
A006/A101

AUTHORS: Nekhayeva, A.N., Koval'chuk, O.S., Rabinovich, M.Ye., Fil'tser, S.G.

TITLE: Investigation of transformations in grade X17H2 (3H268)
(Kh17N2 [EI268]) steel

PERIODICAL: Referativnyy zhurnal. Metallurgiya, no. 10, 1961, 24, abstract
10Zh155 ("Tr. Ufimsk. aviats. in-ta", 1960, no. 5, 75 - 90)

TEXT: It was established that eutectoid transformation in Kh17N2 steel during heating proceeds within a range of 680 - 820°C. The overcooled austenite of this steel is very stable and is not subjected to transformations during isothermal holding above the temperature of martensite transformation during 10 hours. Martensite transformation is observed at any cooling rate within the range of temperatures $< 280^{\circ}\text{C}$. The temperature of beginning martensite transformation M_b is the higher, the lower the cooling rate and the higher the temperature and the longer the time of isothermal holding at temperatures $> 300^{\circ}\text{C}$. This is connected with the process of carbide separation and impoverishment of

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Investigation of transformations ...

S/137/61/000/010/027/056
A006/A101

the austenite in Cr and C. The decomposition of residual austenite during tempering takes place in the cooling process at temperatures $< 170^{\circ}\text{C}$. There are 6 references.

L. Vul'f

[Abstracter's note: Complete translation]

Card 2/2

RABINOVICH, N.

Introduce uniform work norms in open-pit mining work. Sots.trud
4 no.12:96-98 P '60. (MIRA 13:6)
(Strip mining--Production standards)

RABINOVICH, N. (Moskva).

We are perfecting the technological process. Prom. koop. 12 no.3:
28-29 Mr '58. (MIRA 11:3)

1. Nachal'nik gal'vanicheskogo tsokha arteli imeni 5 dekabrya.
(Galvanizing)

SHTYRKOVA, A.; RABINOVICH, N.

Technical books on workers' education. Prof.-tekh.obr. 22
no.8:30 Ag '65. (MIRA 18:12)

1. Gosudarstvennaya publichnaya nauchno-tekhnicheskaya biblioteka
SSSR.

ACC NR: AP6035878 (A₁N) SOURCE CODE: UR/0413/66/000/020/0103/0103

AUTHOR: Kul'bakh, V. O.; Rabinovich, N. A.; Raygorodskaya, V. Ya.

ORG: none

TITLE: Method of obtaining griseofulvin. Class 30, No. 187239

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 20, 1966, 103

TOPIC TAGS: griseofulvin, chemical synthesis, chemical compound, drug,
~~drug, industry~~ carbon tetrachloride

ABSTRACT: An Author Certificate has been issued for a refinement of the method of producing griseofulvin given in Author Certificate No. 135187. In order to simplify the process, to increase yield, and to improve the quality of the product, the raw material for griseofulvin is washed with a nonflammable, organic solvent, such as carbon tetrachloride, and re-crystallized from methylene chloride. [WA-50]

SUB CODE: 07/ SUBM DATE: 22Mar62

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UDC: 615.45:615.779.932

ACC NR: AP6035878 (A,N) SOURCE CODE: UR/0413/66/000/020/0103/0103
AUTHOR: Kul'bakh, V. O.; Rabinovich, N. A.; Raygorodskaya, V. Ya.
ORG: none
TITLE: Method of obtaining griseofulvin. Class 30, No. 187239
SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 20, 1966, 103
TOPIC TAGS: griseofulvin, chemical synthesis, chemical compound, drug, ~~drug industry~~ carbon tetrachloride
ABSTRACT: An Author Certificate has been issued for a refinement of the method of producing griseofulvin given in Author Certificate No. 135187. In order to simplify the process, to increase yield, and to improve the quality of the product, the raw material for griseofulvin is washed with a nonflammable, organic solvent, such as carbon tetrachloride, and re-crystallized from methylene chloride. [WA-50]
SUB CODE: 07/ SUBM DATE: 22Mar62

Card 1/1

UDC 615.45:615.779.932

RABINOVICH, N.B.

STRUCTURE AND PHYSICAL PROPERTIES OF MATTER IN A LIQUID STATE
reports read at the 4th Conference convened in KIEV from 1 to 5 June
1959, published by the publisher House of KIEV University, KIEV,
USSR, 1962

G.S. DENISOV and V.F. CHUMANOVSKIY, Spectral Inves-
tigation into the Interaction Between
the Carbonyl Group of Ketones and
Proton-donor Molecules 144
N.B. RABINOVICH, Z.V. VOLCKHCVA and V.A. CORBUSHEKOV,
The Effect of the Substitution of Hydrogen
by Deuterium on the Critical Temperature
and Polarization of Molecules 144
YU.P. BLAGOY and N.S. RUTENKO, The Surface Tension and
Density of Liquefied Gas Solutions 144
Articles of special interest are those beginning on pp 57, 65, 115
and 144 (2) respectively.

RABINOVICH, Nisan Borukhovich; SHALINOV, Yu.B., red.

[High speeds in well drilling] Vysokie skorosti prokhodki
skvazhin. Elista, Kalmagosizdat, 1964. 34 p.
(MIRA 18:3)

VINOKURSKIY, S.A.; GONCHARSKIY, L.A.; RABINOVICH, N.E.

Mechanotron with increased sensitivity to current changes. Trudy
VNIIMIO no.3:179-181 '63 (MIRA 18:2)

VINOKURSKIY, S.A.; RABINOVICH, N.E.

IDA-1 apparatus for automatic measurement of the arterial
pressure. Nov. mod. tech. no. 234/40 '64.

(MIRA 18:11)

RABINOVICH, N.E.; SOBAKIN, M.A.; YUREVICH, V.M.

Study of frequency changes in the brain biopotentials during
ether anesthesia. Nov. med. tekhn. no.2:45-51 '64. (MIRA 18:11)

VINOKURSKIY, S.A.; RABINOVICH, N.E.; MILOVIDOV, Ye.A.; GEBRIMETS, V.S.

Testing of differential recording machines. Nov. med. tekhn.
no.2:168-170 '64. (MIPA 12:11)

VINOKURSKIY, S.A.; AMAYEVA, L.A.; RABINOVICH, N.E.

Device for the calibration of small changes in volume. Nov. med.
tekhn. no.3:170-173 '65. (MIRA 19:1)

VINOKURSKIY, S.A.; RABINOVICH, N.E.; LITVITS, E.M.; ORLOVICH, V.S.

Analysis of kinematic errors of the recording mechanism of a
sphygmomanometer. Izv. tekh. no.4:23-25 Ap '69. (MIRA 18:7)

EXCERPTA MEDICA, N. G.

EXCERPTA MEDICA Sec.4 Vol.11, 4 Med. Microb. etc. April 58

1011. A CASE OF LAMBLIOTIC CHOLECYSTITIS WITH AN UNUSUAL EOSINOPHILIC REACTION AND HYPERLEUCOCYTOSIS (Russian text) - Rabinovich N. G. - VRAC. DELO. 1953, 10 (1089-1092)

A 21-year-old patient with lambliotic cholecystitis is described. The onset of illness was acute, accompanied by pain, mild pyrexia (38° C.) and bronchitis. Lamblia and accumulated leucocytes were found in the duodenal contents (portion C). Blood examination showed total white cell count 33,500 with a differential as follows: eosinophils 73%, metamyelocytes 2%, neutrophils 14%, lymphocytes 10% and monocytes 1%. ESR 32 mm./hr. Sternal puncture indicated increased number of eosinophils with a shift to the left towards myelocytes, and increased number of plasmatic cells (5%). Following atebirin therapy the general condition of the patient improved, the temperature returned to normal and the number of leucocytes dropped to 9000 (eosinophils 28%, basophils 1%, metamyelocytes 4%, neutrophils 37%, lymphocytes 21% and monocytes 9%). The author points out that in this case lambliotic cholecystitis was associated with an allergic reaction whose clinical manifestations were the unusual eosinophilia with hyperleucocytosis, dyskinesia of the gastro-intestinal tract (established roentgenologically) and persistent bronchitis.

(S)

RABINOVICH, N.G., doktor med.nauk

Use of anticoagulants under outpatient and polyclinic conditions.
Vrach. delo no.4:24-27 Ap '61. (MIRA 14:6)

1. Poliklinika No.26 Leningrada.
(ANTICOAGULANTS (MEDICINE))

SHAPOVALOV, V.F., inzh.; RABINOVICH, N.G., inzh.

Automation of cutting machines. Mekh.i avtom.proizv.
16 no.10:1-4 0 '62. (MIRA 15:11)
(Cutting machines)
(Automation)

SHAPOVALOV, V.F. ; RABINOVICH, N.G.; INOZEMTSEV, G.G.; AVTONOMOV, V.A.

Completely automatic area for machining axle-type parts. Biul.tekh.-
ekon.inform.Gos.nauch.-issl.inst.nauch. i tekh.inform. 16 no.11:37-
40 '63. (MIRA 16:11)

AVTONOMOV, V.A., inzh.; RABINOVICH, N.G., inzh.; SHAPOVALOV, V.F., inzh.

Installing the 1A730 semiautomatic multi-cut lathe in an
automatic production line. Mekh. i avtom. proizvod. 17 no.8:
1-3 Ag '63. (MIRA 16:10)

RABINOVICH, N. I.

USSR/Engineering - Irrigation, Equipment Feb 52

"Pump and Power Equipment for Irrigation Using Underground Water," N. I. Rabinovich, Engr

"Gidrotekh i Melio" No 2, pp 40-44

Describes irrigation works in Kursk region and equipment used in pump stations. Discusses performance of 3 types: horizontal centrifugal pumps, piston pumps and centrifugal depth pumps, latter type being most efficient. In absence of electric power supply, portable steam engines or oil engines are used for driving pumps by belt transmission.

212747

RABINOVICH, N.I., inzhener.

Conference on problems of the automatization and telemechanization of water power and irrigation systems. Gidr.i mel. 5 no.15:57-58 D '53.

(MLRA 6:11)

(Hydraulic engineering) (Automatic control)

KULIKOV, Petr Yegorovich, inzh.; RABINOVICH, Naum Isayevich, inzh.;
ROZHANSKIY, G.S., dotsent, kand.tekhn.nauk, ~~retsensent~~;
CHESNOKOV, A.V., inzh., retsenzent; KRYUKOV, V.L., inzh., red.;
NAKHIMSON, V.A., red.izd-va; UVAROVA, A.F., tekhn.red.

[Operation of farm irrigation pumping stations] Ekspluatatsiia
sel'skikh orositel'nykh nasosnykh stantsii. Moskva, Gos.nauchno-
tekhn.izd-vo mashinostroit.lit-ry, 1958. 157 p. (MIRA 12:4)
(Irrigation) (Pumping machinery)

AUTHOR: Rabinovich, N.I., Engineer SOV/99-58-12-3/7

TITLE: The Tractor-Mounted Pumping Station NNS-6 NDV (Navesnaya nasosnaya stantsiya NNS-6 NDV)

PERIODICAL: Gidrotekhnika i melioratsiya, 1958, ¹⁰⁻Nr 12, pp 23-27 (USSR)

ABSTRACT: For the irrigation of small sections of farm land, mobile mechanical pumping systems proved to be more suitable than stationary ones in a number of districts in the USSR. The author explains the advantages of these mobile pumping stations, e.g. the pumping unit possesses a high maneuverability and can easily be installed anywhere, the operation of the pump is not dependent on the water level, and operation costs are lower. The PNST-6 NDV pumping station has found widespread application, and is attached to tractors of different design. During 1956-1958, the Kurskiy remontno-mekhanicheskiy zavod MSKh RSFSR (Kursk Mechanical Repair Plant MSKh RSFSR) produced about 700 such pumping stations. The main disadvantage of this pump is that the full power capacity of the tractor is not used; the loss of power in the 2-gear transmission is about 10-15 %. Other disadvantages of tractor-mounted pumps are their heavy weight and high cost. On the initiative of the construction research department of VNIIGiM,

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The Tractor-Mounted Pumping Station NNS-6 NDV

SOV/99-58-12-3/7

the Kursk Mechanical Repair Plant developed an experimental model of a tractor-mounted pumping station NNS-6 NDV for the tractor DT-54. The efficiency factor of this pump is 10-11 % higher than that of the PNST-6 NDV, the weight and the costs have been greatly reduced, and much better use is made of the tractor's power. Table 2 gives a detailed comparison of the PNST and NNS types: the output of the PNST amounts to 67.0 l/sec in comparison with 76.0 l/sec with the NNS; the pressure head is 28m as compared to 40m; the power at the pump shaft is 33.5 hp as compared to 53-hp; the engine's power capacity is 54 hp as compared to 54 hp; the efficiency factor is 62 % as compared to 98 %; and the rpm is 1,080 as compared to 1,300. There are 2 photos, 2 tables, 1 graph and 2 diagrams.

Card 2/2

RABINOVICH, N. I., Cand Tech Sci -- (diss) "Portable Pumping Stations
Equipped with Internal Combustion Engines for Irrigation," Moscow, 1960, 21 pp,
150 copies (All-Union Sci Res Inst of Hydraulic Engineering and Soil Improvement
im A. M. Kostyakov, All-Union Academy of Agricultural Sciences) (KL, 48/60, 114)

RABINOVICH, N.I.; DZYUBENKO, B.V.

The SDU-10 medium-jet sprinkler unit and the NNS-6MDV mounted
pumping station. Biul.tekh.-ekon.inform. no.1:64-66 '60.

(MIRA 13:5)

(Spraying and dusting equipment)

RABINOVICH, N.I.; KUNDZICH, M.M., inzh., retsenzent; KOCHNEV, M.G.,
inzh., red.; ZHURAVLEVA, M.N., red.izd-va; TIKHANOV, A.Ya.,
tekhn. red.

[Mobile pumping stations for irrigation] Peredvizhnye nasosnye
stantsii dlia orosheniia. Moskva, Mashgiz, 1962. 115 p.
(MIRA 16:3)

(Pumping stations) (Irrigation)

RABINOVICH, N.I., kand. tekhn. nauk

New movable diesel pumping stations. Gidr. i mel. 15 no.2:
14-19 F '63. (MIRA 16:4)

1. Respublikanskiy gosudarstvennyy institut po proyektirovaniyu vodokhozyaystvennogo i meliorativnogo stroitel'stva RSFSR.

(Pumping stations) (Irrigation)

RABINOVICH, N.I., kand.tekhn.nauk

Mobile diesel pumping stations for irrigation. Gidr. i mel. 16
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(glavnyy vrach P.N. Filippenko) i kliniki gosptal'noi terapii
(dir. prof. L.S. Shvarts) Saratovskogo meditsinskogo instituta.

(ASTHMA, physiology,
chronaximetry in)

(NERVOUS SYSTEM, physiology,
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RABINOVICH, P. D., kand. med. nauk; ZORINA, S. S. (Chita)

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(PEPTIC ULCER) (HEXONIUM)

RABINOVICH, P.D.; POTAPOVA, R.Ya.

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Use of pentoxyl in peptic ulcer. Sov. med. 28 no.7:109-110 J1 '64.
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PHASE I BOOK EXPLOITATION

758

Gofman, Il'ya Lazarevich, and Rabinovich, Pinya Moiseyevich

Ispol'zovaniye statisticheskikh metodov dlya povysheniya kachestva produktsii (The Use of Statistical Methods for the Improvement of Product Quality) Moscow, Gosstatizdat, 1957. 143 p. 3,000 copies printed.

Ed.: Shentsis, Ye. M.; Tech. Ed.: Mulikova, I.F.

PURPOSE: This book is intended for engineering and technical personnel, economists, and statisticians.

COVERAGE: The book briefly describes the most useful techniques of quality control and statistical methods as applied to industrial problems of product quality. It contains numerous examples and problems drawn from the practices of various industries, and it relates them to various theoretical concepts. The authors declare

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that the use of these techniques and methods will contribute to proper organization and sound management which are essential to a successful quality program. The introduction, Ch. I and paragraphs 2,9,10,12-14 of Ch. II were written by I.L. Gofman; paragraphs 1, 3-8, 11 and 16 of Ch. II were written by P.M. Rabinovich. The remainder was written jointly by the two authors. There are no references.

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PHASE I BOOK EXPLOITATION

407

Zizyukin, Mikhail Il'in

Preduprezhdeniye i analiz braka v mashinostroyeni (Prevention and Analysis of Waste in Machine Building) Moscow, Mashgiz, 1957.
221 p. 6,000 copies printed.

Reviewers: Bozhukov, B.P. and Filatov, S.P., Engineers; Ed.: Rabinovich, P.M., Docent; Ed. of Publishing House: Temkin, A.V.; Tech. Ed.: Uvarova, A.F.; Managing Ed. of literature on the economics and organization of production: Saksaganskiy, T.D.

PURPOSE: This book is intended for industrial engineers, technical personnel and economists.

COVERAGE: The book deals with the analysis of production rejects and methods of current production control. Special emphasis is placed on statistical methods of production quality control and the analysis of manufacturing processes used in Soviet and foreign plants. Various methods of production inspection and non-destructive testing, such as ultrasonic and radiographic methods,

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Prevention and Analysis of Waste in Machine Building 407

are discussed, and definitions of industrial terms used in quality control are given. Chapter III was written by Docent P.M. Rabinovich. There are no references.

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